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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:
Serial Number:
Filing Date:
Examiner/Art Group Unit:
Title:

Wolfgang Scholl and Herbert Bienert
~~Unknown~~ 09/622356
~~Concurrent~~ 8-15-00
~~Unknown/Unknown~~ GRAHAM
FOUR-HINGED WIPER ARM FOR A
WINDSHIELD WIPER SYSTEM

SA
#3
11-20
1744

PRELIMINARY AMENDMENT

Assistant Commissioner of Patents
Washington, D.C. 20231

Sir:

Entry of this preliminary amendment before the examination of the
above-identified application is respectfully requested.

After the claims, start a new page and insert -

ABSTRACT

5 The invention relates to a four-hinged wiper arm for a windshield
wiper system, especially for an automobile wherein a connecting rod is pivotally
connected to a driving arm in a first bearing point and to a control arm in a second
bearing point. A hinged part is coupled to the connecting rod. A wiper blade that can
be placed on the hinged part or on a wiper rod connected to the hinged part can be
pressed against the windshield to be wiped by a spring element that is mounted on the
four-hinged wiper arm. In order to ensure good wiping quality and low-noise
operation over a long service period, the invention provides that the connecting rod or
10 the driving arm or the control arm is fitted with an antifriction bearing at least one of
the two locating points of the four hinged wiper arm. According to advantageous
embodiments of the invention, the four-hinged wiper arm is fitted with an antifriction
bearing on both bearing points, whereby the antifriction bearing is preferably a deep
groove ball bearing. - -